Agilent New lincRNAs on SurePrint G3 Human

Gene Expression Microarrays

Technical Overview

New lincRNA probes designed to the recently published human lincRNA catalog from the Broad Institute[1]

Update of mRNA content for relevant, current research

Customizable content for flexible experimental design

Wide dynamic range of over 5 orders of magnitude to detect low and high expressors

Summary

Agilent Gene Expression Microarrays contain the most up-to-date content to ensure better experiments and relevant data for your research. A detection level of 1 transcript in every 10 cells with a wide dynamic range of over 5 logs provide you with a highly sensitive, accurate platform and ensure confidence in your results for a more biologically complete picture. In addition, the power of custom design is in your hands with easy and fast customization using the online-based eArray application, giving you the flexibility to focus your experimental design in content and microarray format.

There is increasing knowledge and interest in the new field of identifying large intergenic non-coding RNAs (lincRNAs). Scientists at the Broad Institute have made a catalog of lincRNAs, and have also cataloged an additional set of transcripts of uncertain coding potential (TUCPs). The new Agilent SurePrint G3 Gene Expression v2 Microarray includes probes to the lincRNAs and TUCPs identified in these publicly available human reference catalogs, providing you with additional tools to advance and support your important research. Most importantly, the new probes are annotated to the Broad database. In addition, over 2,500 new mRNA probes sourced from RefSeq have been added to the existing probes, covering over 40,000 transcripts.

[1] For more information, go to http://www.broadinstitute.org/genome_bio/human_lincrnas/.

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